Manitoba

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Health and Healthy Living
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Dear Colleague,

Please find attached the Summary of Communicable Diseases for the month of June 2008. This information includes the number of reported cases of notifiable communicable diseases for which individuals in Manitoba tested positive* on laboratory samples and/or clinical reports, during the month of June 2008.

Communicable Diseases (non STI-BBPs)

In total, there were **383** new infections occurring across 24 communicable diseases** (excluding sexually transmitted infections and HIV) in June 2008. The observed numbers of cases were within the statistically expected range for all of the reported communicable diseases with the exception of the following diseases:

- N. meningitidis – in other sterile samples (not blood or CSF), 1 case reported, 0 cases expected

The expected number of cases and accompanying range is based on the statistical number of cases May, June and July, 2003-2008.

MRSA positive results within Manitoba include both individuals who are symptomatic of infection and colonized individuals, who have no symptoms and are found with admission screening activities at facilities. If facilities increase their screening activities, it would result in a rise in colonized MRSA cases. Together MRSA and *Clostridium difficile* accounted for 63% of all non-STI/HIV related communicable diseases reported to Manitoba Health and Healthy Living. *C. difficile* cases tended to be concentrated in the 60+ age group, while cases of MRSA were reported in all age groups.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **618** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in June:

- 488 cases of chlamydia (Ct)
- 62 cases of gonorrhoea (GC)
- 64 co-infections of Ct and GC and
- 4 cases of syphilis

Forty-five percent of all GC and Ct cases in the province were reported among females of age group 15-24 years. 52% all Ct cases were reported for individuals living in the Winnipeg Health Region and an additional 19% were from the Burntwood Health Region.

In June, 36 individuals tested positive for Hepatitis C virus (HCV) in Manitoba. Five Manitobans tested positive for HIV in June. A new case of HIV infection is defined as a positive test with a unique code that has not been previously associated with a positive test result in Manitoba. Positive tests included in this month's statistics include both nominal and non-nominal testing results. If HIV case investigation forms identify previous positive results with the appropriate nominal or non-nominal information, duplicate counting can be reduced. The HIV cases reported in June were predominantly male, between 20 and 49 years of age.

***Note**: Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date.

****Note**: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes and are <u>not referred out</u> for public health follow-up:

- Ascariasis (ICD9: 127.0)
- Leishmaniasis – unspecified (ICD9: 085.9)
- Methicillin or vancomycin resistant *Staphylococcus aureus* (MRSA/VRSA) (ICD9 B95.6)
- Schistosomiasis (ICD9: 120)
- *Streptococcus pneumoniae* – other site (ICD9: 041.2)
- *Strongyloides* (ICD9: 127.2)
- Vancomycin resistant enterococci (VRE) (ICD9 B96.8)

The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes and are referred out to public health <u>for information only</u>:

- Viral Meningitis – CoxSackie
- Viral Meningitis – Echo
- Viral Meningitis – Entero
- Viral Meningitis – H. simplex (Epstein Barr, CSF only)

All other diseases are referred out for further public health <u>follow-up and investigation</u>

Please feel free to contact me should you have any questions about this report.
Thank you.

Sincerely,

Myrna Dyck BN, MSc
Epidemiologist, Communicable Diseases
Public Health Surveillance System
Manitoba Health and Healthy Living

SUMMARY OF COMMUNICABLE DISEASE FOR June 2008

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2007	2008	Expected*	Ex. Range**	2007	2008
006.9	AMEBIASIS	4	3	3	0-7	28	20
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS		1	0	0-1	2	1
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.1	BAC. MENINGITIS - PNEUM		1	0	0-1	3	1
320.7	BAC.MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS	3	3		***	13	7
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS	2		0	0-1	3	
008.43	CAMPYLOBACTER	27	17	23	7-39	102	91
558.2	CLOSTRIDIUM DIFFICILE	69	76		***	546	439
046.1	CREUTZFELD-JACOB DISEASE		1		***		1
007.8	CRYPTOSPORIDIOSIS	1	1	2	0-7	10	7
061.0	DENGUE FEVER			0	0-0	1	1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-0		3
032	DIPHTHERIA CASES			0	0-1		1
123.4	DIPHYLLOBOTHRIUM SPP	3		1	0-3	6	1
008.0	E. COLI-VEROTOXIGENIC	10	5	8	0-18	19	17
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-1		
007.1	GIARDIA LAMBLIA	6	17	12	3-21	48	56
041.5	H.I.B.-NON MTGS			0	0-1		1
041.59	HAEM. INFLUENZAE (non-B)		1		***	7	7
480.8	HANTA VIRUS			0	0-0	1	
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0	1	
070.1	HEPATITIS A			3	0-11	6	7
070.3	HEPATITIS B			1	0-2	3	3
070.51	HEPATITIS C	22	36	32	14-50	173	194
487.1A	INFLUENZA A				***	70	78
487.1B	INFLUENZA B		1		***	1	44
482.83	LEGIONELLA			0	0-1		
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1		
027.0	LISTERIA MONOCYTOGENES			0	0-1		2
088.81	LYME DISEASE			1	0-3		
084	MALARIA	1	1	2	0-6	8	5
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-1	3	1
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCEMIA BLOOD			0	0-1		2
B95.6	MRSA	165	167	101	4-198	909	996
072.9	MUMPS	2		1	0-3	5	
036.89	N.MENINGITIDIS OTHER		1	0	0-0		3
728.86	NECROTIZING FASCIITIS	2	2	1	0-5	5	7
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-1		
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS	2	1	4	0-9	7	8
038.2	PNEUM. SEPTICEMIA	7	8	7	1-13	50	69
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-0		1

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

		MONTHLY TOTAL				YEAR-TO-DATE	
ICD9	DISEASE/INFECTION	2007	2008	Expected*	Ex. Range**	2007	2008
056.9	RUBELLA			0	0-0	2	
771.0	RUBELLA CONGENTIAL			0	0-0		
041.2	S.PNEUM.OTHER			1	0-3	1	1
003.0	SALMONELLA	17	21	14	6-22	118	134
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS			1	0-3	8	12
050.9	SMALLPOX				***		
005.0	STAPH FOOD POISON			0	0-0		
785.5	STAPH TOXIC SHOCK				***	1	2
481.9	STREP PNEUMONIA - PR			0	0-1		
041.1	STREP PYOGENES - OTHER STER	1	1		***	18	20
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0		
481	STREPTOCOCCUS PNEUMONIAE			0	0-1	1	2
127.2	STRONGYLOIDES			1	0-5	13	3
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			0	0-1		
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI	1		0	0-1	1	
013	TUBERCULOSIS - NON-RESP.			0	0-1		
011	TUBERCULOSIS - RESP.	2	8	7	2-16	35	46
010	TUBERCULOSIS-PRIM.			1	0-7	3	3
021.9	TULAREMIA			0	0-1		
002.0	TYPHOID			0	0-0		1
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	2	9		***	24	38
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION				***		
198	WNV NEUROLOGICAL SYNDROME				***		
197	WNV NON-NEUROLOGICAL SYND	11			***	11	
066.3	WNV UNCLASSIFIED				***		
008.44	YERSINIA ENTEROCOLITICA		1	1	0-3	7	2
		360	**383**			**2273**	**2338**

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR June 2008

		<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
ICD9	Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
006.9	AMEBIASIS													1			1			1									3
005.8	B. CEREUS																1												1
320.1	BAC. MENINGITIS - PNEUM																					1							1
116.0	BLASTOMYCOSIS												1										1		1				3
008.43	CAMPYLOBACTER		1		1				1		3		1		1	1	1		2	2		2		1					17
558.2	CLOSTRIDIUM DIFFICILE							1		1	2	2		1		4	2	2	4	5	2	7	6	7	6	15	9		76
046.1	CREUTZFELD JACOB DISEASE																							1					1
007.8	CRYPTOSPORIDIOSIS								1																				1
008.0	E. COLI 0157								1			1										2					1		5
007.1	GIARDIA LAMBLIA			5		1	1		3			2		1	1	1	1				1								17
041.59	HAEM. INFLUENZAE (non-B)															1													1
070.51	HEPATITIS C								1	1		1			2	3	5	3	4	1	8	1		2	1			3	36
487.1B	INFLUENZA B	1																											1
084	MALARIA													1															1
B95.6	MRSA	5	3	6	6	3	4	5	3	6	9	6	4	3	7	14	6	9	8	7	5	5	13	4	6	13	7		167
728.86	NECROTIZING FASCIITIS																	1			1								2
036.89	NEISSERIA MGTS(Other)																					1							1
033.0	PERTUSSIS		1																										1
003.0	SALMONELLA				3	1	2	2			2	1	1	2			1	1				1		2		1	1		21
041.1	STREP PYOGENES - OTHER ST												1																1
038.2	STREP.PNEUMOCOCCAL SEPTIC															1		3			1		1				2		8
038.0	STREPTOCOCCAL SEPTICEMIA				1								1								1	1	1	1		1			7
013	TUBERCULOSIS - NONRESP.																												
010	TUBERCULOSIS - PRIM																												
011	TUBERCULOSIS - RESP.									1			1			1	1	1		1	2								8
B96.8	VANCOMYCIN RES. ENTER.																	1	1					2	2	2	1		9

ICD9	Disease Name	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing age/gendr	Total
		F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
008.44	YERSINIA ENTEROCOLITICA							1																					1
		6	5	11	11	5	7	9	10	9	16	13	10	9	11	26	19	21	19	17	21	21	22	20	16	32	21		390

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR June 2008

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**				*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
006.9	AMEBIASIS	3																					3
005.8	B. CEREUS	1																					1
320.1	BAC. MENINGITIS - PNEUM								1														1
116.0	BLASTOMYCOSIS	3																					3
008.43	CAMPYLOBACTER	6			1		3		1		3		2		1								17
558.2	CLOSTRIDIUM DIFFICILE	44	6		2		2		4		9		5		1		1	1	1				76
046.1	CREUTZFELD JACOB DISEAS E												1										1
007.8	CRYPTOSPORIDIOSIS																1						1
008.0	E. COLI 0157	2							1				1		1								5
007.1	GIARDIA LAMBLIA	12	2				2						1										17
041.59	HAEM. INFLUENZAE (non-B)																	1					1
070.51	HEPATITIS C	19	4				2	1	1		2		2				3		2				36
487.1B	INFLUENZA B	1																					1
084	MALARIA	1																					1
B95.6	MRSA	67	3	1	1		1		14		6		6		1	2	11	29	25				167
728.86	NECROTIZING FASCIITIS	2																					2
036.89	NEISSERIA MGTS(Other)	1																					1
033.0	PERTUSSIS										1												1
003.0	SALMONELLA	8	1		1		2		3		4						1		1				21
041.1	STREP PYOGENES - OTHER ST	1																					1
038.2	STREP.PNEUMOCOCCAL SE PTIC	5					1											1	1				8
038.0	STREPTOCOCCAL SEPTICEM IA	2							2		2				1								7
013	TUBERCULOSIS - NONRESP.																						
010	TUBERCULOSIS - PRIM																						
011	TUBERCULOSIS - RESP.	4																4					8
B96.8	VANCOMYCIN RES. ENTER.	8							1														9
008.44	YERSINIA ENTEROCOLITICA	1																					1

* F=Federal Jurisdiction (First Nations and Inuit Health) P=Provincial Jurisdiction

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**				*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
		191	16	1	5		13	1	28		27		18		5	2	17	36	30				390

* F=Federal Jurisdiction (First Nations and Inuit Health) P=Provincial Jurisdiction

STD Infection Summary Report - June 2008

	MONTHLY TOTAL		YEAR-TO-DATE	
DISEASE/INFECTION	**2007**	**2008**	**2007**	**2008**
All Chlamydia Infections	378	552	2311	3480
All Gonorrhea Infections (including PRNG)	115	126	646	770
All Syphilis Infections	3	4	22	20
Gonorrhea & Chlamydia Co-infections	53	64	258	350
HIV	5	5	39	46

Total Number of STD Cases by Age and Gender - June 2008

	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
Chlamydia Only Cases							7	3	118	29	104	51	47	48	34	25	7	8	3	2		2						488
Gonorrhea Only Cases									12	6	8	3	9	4	6	7	2	4		1								62
Syphilis Only Cases									1						1	1			1									4
GC and CT Cases									20	8	15	8	4	4	3	1		1										64
							7	3	151	43	127	62	60	56	44	34	9	13	4	3		2						618
HIV											1	2				1		1										5

Regional STD Distribution - June 2008

Disease/Infection	**Winnipeg**	**Brandon**	**N.Eastman**		**S.Eastman**		**Interlake**		**Central**		**Assiniboine**		**Parkland**		**Norman**		**Burntwood**		**Churchill**	**OOP**	**Missing**	**TOTAL**
Case Referred to:*			*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
All Chlamydia Infections	288	14	5	12		15	5	22		27		22	2	11	2	21	74	28		4		552
All Gonorrhea Infections	61	1	2	2			2	3		6		3		4		3	30	7		1	1	126
All Syphilis Infections	4																					4
GC and CT Infections	29	1	2							3		1		2		2	18	5		1		64

* F=Federal Jurisdiction (includes First Nations and Inuit Health) P=Provincial Jurisdiction